

## REMARKS

Favorable reconsideration in view of the previous amendments and following remarks is respectfully requested.

Claims 27-29, 31 and 32 remain under examination. By this Amendment, claims 27-29 are amended. Claims 1-13 have previously been withdrawn as a result of the May 15, 2008 Restriction Requirement. Claims 14-26, 30 and 33-37 have previously been canceled.

The Office Action rejects claims 27-29 under 35 U.S.C. §102(b) over U.S. Patent No. 3,070,977 to Kimmel et al.; and rejects claims 31 and 32 under 35 U.S.C. §103(a) over Kimmel. These rejections are respectfully traversed.

Applicants' independent claim 27 recites pressure pulsation reduction equipment of refrigeration cycle equipment, comprising a refrigeration cycle including a refrigeration compressor which is connected to a pipe that is a flow channel. A pressure pulsation reducer is installed on at least one of a high pressure side and a low pressure side of the compressor. The pressure pulsation reducer includes a flow channel separator which separates the flow channel of the pipe into at least a first flow channel and a second flow channel. A plurality of small holes are formed on the flow channel separator. Each of the plurality of small holes are formed downstream of where the flow channel separator separates the flow channel of the pipe into at least a first flow channel and a second flow channel. The flow channel separator has an open end on an upstream side and a closed end on a downstream side.

Such features encompass Applicants' exemplary embodiment as illustrated in Fig. 23 wherein refrigeration cycle equipment includes a compressor 20. Pressure pulsation reduction reducer 30 includes a flow channel separator 14 in small holes 9.

The flow channel separator formed by the flow channel separator 14 is formed open on one end and downstream of where the flow channel separates is in contact with the pipe flow channel wall on another end. Each of the small holes 9 are located downstream of the area where the flow channel separates into the first flow channel on the second flow channel.

The Kimmel patent does not disclose this combination of features of Applicants' independent claim 27. Instead, the Kimmel patent discloses a muffler unit 6 including a cylindrical steel shell 24. The refrigerant flows through the refrigerant line 4 into the pipe 32. The pipe 32 is provided with spaced openings 42 throughout the extent of the cylindrical screen 36. Thus, the refrigerant flows from refrigerant line 4 through pipe 32 out through the openings 42 and then out through the screen 36. Applicants believe that there is only a single flow channel. If the Examiner alleges that each flow through opening 42 constitutes a separate flow channel, Kimmel does not disclose each of the plurality of small holes formed on the flow channel separator are formed downstream of where the flow channel separator separates the flow channel of the pipe into at least a first flow channel and a second flow channel. Each of the plurality of holes 42 disclosed in Kimmel are not located downstream of where the flow channel separator separates the flow channel of the pipe into at least a first flow channel and a second flow channel.

Dependent claims 28, 31 and 32 are allowable for at least the reasons discussed above with respect to independent claim 27, as well as for the individual features they recite.

Applicants' independent claim 29 recites a pressure pulsation reduction equipment of refrigeration cycle equipment. A refrigeration cycle includes a

refrigeration compressor. A pressure pulsation reducer is installed in an oil separator that is incorporated with a compressor. The pressure pulsation reducer includes a passage which forms a flow channel through a wall of the oil separator. The flow channel separator separates the flow channel into at least a first flow channel and a second flow channel. The flow through the first flow channel and the flow through the second flow channel are arranged in parallel. A plurality of small holes forms the first flow channel and an open nozzle forms the second flow channel. The open nozzle is formed downstream of the plurality of holes. The open nozzle of the flow channel separator is formed on one end of the passage on a downstream side and the passage is in contact with the oil separator wall on another end.

Kimmel discloses a plurality of openings 42 in the pipe 32. Downstream of the openings 42 is a nozzle 48. The openings 42 and the nozzle 48 are arranged in series. Thus, Kimmel does not disclose claim 29's claimed combination of features.

Early and favorable action with respect to this application is respectfully requested.

Should any questions arise in connection with this application, or should the Examiner believe that a telephone conference with the undersigned would be helpful in resolving any remaining issues pertaining to this application, the undersigned respectfully requests that he be contacted at the number indicated below.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: July 29, 2010

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